

GenCore version 5.1.5
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 22, 2003, 03:23:15 ; Search time 96 Seconds
(without alignments)
5919.500 Million cell updates/sec

Title: US-09-315-355a-47

Perfect score: 1853
Sequence: 1 gatccctgagcgtgtgycag.....aaaagtaattcctaact 1853

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 08
Maximum Match 1008

Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/prodata/2/ina/5a.COMB.seq:*
2: /cgn2_6/prodata/2/ina/5b.COMB.seq:*
3: /cgn2_6/prodata/2/ina/6a.COMB.seq:*
4: /cgn2_6/prodata/2/ina/6b.COMB.seq:*
5: /cgn2_6/prodata/2/ina/PCRTUS.COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	62.2	3.4	7218	1 US-08-232-463-14	Sequence 14, Appl
2	48.4	2.6	2518	4 US-09-433-699-3	Sequence 3, Appl
3	44.8	2.4	3925	2 US-09-047-026A-3	Sequence 3, Appl
4	42.2	2.3	1958	4 US-09-702-327-3	Sequence 3, Appl
5	42.2	2.3	2295	1 US-08-375-300-3	Sequence 3, Appl
6	42.2	2.3	2295	3 US-08-177-431-3	Sequence 3, Appl
7	42.2	2.3	2295	5 PCT-US95-16930-3	Sequence 3, Appl
8	42.2	2.3	4080	1 US-08-375-300-1	Sequence 1, Appl
9	42.2	2.3	4080	5 US-09-177-431-1	Sequence 1, Appl
10	42.2	2.3	4080	5 PCT-US95-16930-1	Sequence 1, Appl
11	41.8	2.3	666	4 US-08-998-416-1050	Sequence 1050, Ap
12	41.8	2.3	3489	2 US-08-728-323A-1	Sequence 1, Appl
13	41.8	2.3	3489	4 US-08-298-368-1	Sequence 1, Appl
14	41.8	2.3	32207	4 US-08-770-679-20	Sequence 20, Appl
C 15	41.8	2.3	32207	4 US-08-757-669A-20	Sequence 20, Appl
C 16	41.8	2.3	32207	4 US-09-230-371A-20	Sequence 20, Appl
C 17	41.8	2.2	2277	1 US-08-676-967-2	Sequence 2, Appl
18	40	2.2	2277	1 US-08-676-974-2	Sequence 2, Appl
19	40	2.2	2277	1 US-09-098-487-2	Sequence 2, Appl
20	39.8	2.1	1242	1 US-08-252-966B-13	Sequence 13, Appl
21	39.2	2.1	14855	2 US-08-687-080-59	Sequence 59, Appl
22	38	2.1	289	4 US-09-007-005-17	Sequence 17, Appl
23	38	2.1	289	4 US-09-244-796-17	Sequence 17, Appl
24	37.4	2.0	1221	2 US-08-658-665-55	Sequence 55, Appl
25	37.4	2.0	1221	4 US-08-796-101-19	Sequence 19, Appl
26	37.4	2.0	1221	4 US-09-085-273-55	Sequence 55, Appl
27	37.4	2.0	1221	4 US-09-171-699-3	Sequence 3, Appl

28	37.4	2.0	1221	5 PCT-US94-02107-1	Sequence 1, Appl
29	37.4	2.0	1383	2 US-08-658-665-58	Sequence 58, Appl
30	37.4	2.0	1383	4 US-08-796-101-22	Sequence 22, Appl
31	37.4	2.0	1383	4 US-09-085-273-58	Sequence 58, Appl
32	37.4	2.0	1386	2 US-08-658-665-53	Sequence 53, Appl
33	37.4	2.0	1386	4 US-08-796-101-17	Sequence 17, Appl
34	37.4	2.0	1386	4 US-09-085-273-53	Sequence 53, Appl
35	37.4	2.0	1476	2 US-08-658-665-50	Sequence 50, Appl
36	37.4	2.0	1476	4 US-08-796-101-14	Sequence 14, Appl
37	37.4	2.0	1476	4 US-09-085-273-50	Sequence 50, Appl
C 38	37.4	2.0	1975	2 US-08-658-665-51	Sequence 51, Appl
C 39	37.4	2.0	1975	4 US-08-796-101-15	Sequence 15, Appl
C 40	37.4	2.0	1975	4 US-09-085-273-51	Sequence 51, Appl
41	37.4	2.0	2225	1 US-08-450-945-56	Sequence 56, Appl
42	37.4	2.0	2225	4 US-08-976-161-56	Sequence 56, Appl
43	37.4	2.0	2314	3 US-08-105-454-1	Sequence 1, Appl
44	37.4	2.0	2577	2 US-08-658-665-56	Sequence 56, Appl
45	37.4	2.0	2577	4 US-08-796-101-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14/C
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTgpt-Fls
; US-08-232-463-14
Query Match 3.4%; Score 62.2; DB 1; Length 7218;

Best Local Similarity 5.08; Pred. No. 8.9e-08;

Matches 19; Conservative 217; Mismatches 145; Indels 0; Gaps 0;

```
OY 35 TCCCTCCCTATGACGCTGTTCTTACGTCACAGCCCTTGACTTGAGGACCATGACC 94
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1478 TACCTATCTATGCAAGTAGTAAAGATAGAAATTTGTACRRRRRRRRRRRRRRR 1419
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 95 GCAGCCCCGAGTGACCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 154
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1418 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1359
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 155 ACAAGTAGAGTGTAGTAAGAAGTAAGTAAGCCCTCATGCTGAGGCAAGAGAAAT 214
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1358 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1299
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 215 TGCAGAGAAGGTGTGTCAGTATGAGAGAGACAGCAGCTCTTCAAGATGCA 274
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1298 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1239
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 275 TGCAGAGTGACGACCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAG 334
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1238 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1179
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 335 ATGACAGAGCGCTTGATGATGATGATGATGATGATGATGATGATGATGATGATG 394
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1178 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1119
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 395 AAGGTACCCAGTGTGTGCA 415
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1118 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1098
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
```

RESULT 2

```
US-09-433-699-3
: Sequence 3, Application US/09433699B
: Patent No. 6165786
: GENERAL INFORMATION:
: APPLICANT: C. Frank Bennett
: APPLICANT: Lex M. Cowart
: TITLE OF INVENTION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION
: FILE REFERENCE: RTS-0109
: CURRENT APPLICATION NUMBER: US/09/433.699B
: CURRENT FILING DATE: 1999-11-03
: NUMBER OF SEQ ID NOS: 89
: SEQ ID NO 3
: LENGTH: 2518
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (112)..(2235)
: US-09-433-699-3
```

Query Match 2.68; Score 48.4; DB 4; Length 2518;

Best Local Similarity 47.9%; Pred. No. 0.00051;

Matches 139; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

```
OY 136 GTGGCCAAAGAGACACAGACAGTAGAGTAAAGAAAGTAAGAAAGCCCTCATTT 195
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 604 GAGATGAGATGAATGAAATGAAACACAGCATGAAAGCAGCAGCTGCTGCCCTGCA 663
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 196 GCTGAGCAAAAGAGAAATTCAGAAAGAGGTGTGTCAGTATGAGAGAGACAGC 255
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 664 GAGGATGAGAGAGATGAGATGAGCAAGATGATGAGATGAGATGAGATGAGAGAT 723
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 256 AGTCTTGAAGATGCGATGACAGTCCAGCAGCAGCCAGGCAAGAGAGAGCCCTG 315
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 724 GACTCTGAAGAGAGAGTATGAGAGCTACACAGCAAGAAAGAAAGCTGCAAAAGTT 783
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 316 GAGATGAGTACCCAGAGAGATGAGAGAGAGCTTGTATGATGATGATGATGATGATG 375
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 784 GTTCTGTGAAGAGCAAGAACGCTGCTGAGATGAGATGAGATGAGATGAGATGAGAT 843
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```
OY 376 TTAGATAAATATATGAGAGAGGTGACCCAGATGCTGACACTTTGTGTA 425
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 844 GAGATGAGCAGCAGCAGCAGCAAGATGATGAAGATGATGATGATGATGATGA 893
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

RESULT 3

US-09-047-026A-3

Sequence 3, Application US/09047026A

Patent No. 5989897

GENERAL INFORMATION:

APPLICANT: Pillus, Lorraine

APPLICANT: Claire, Astrid

APPLICANT: Lowell, Joanna

APPLICANT: Jacobson, Sandra

APPLICANT: Relfsnyder, Cheryl

TITLE OF INVENTION: Yeast Silencing Genes, Proteins and

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESSEE: Greenlee, Wmner and Sullivan, P.C.

STREET: 5370 Manhattan Circle, Suite 201

CITY: Boulder

STATE: Colorado

COUNTRY: US

ZIP: 80303

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/047.026A

FILING DATE: 24-MAR-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/042.375

FILING DATE: 24-MAR-1997

ATTORNEY/AGENT INFORMATION:

NAME: Feider, Donna M.

REGISTRATION NUMBER: 33,878

REFERENCE/DOCKET NUMBER: 1-97

TELECOMMUNICATION INFORMATION:

TELEPHONE: (303) 499-8080

TELEFAX: (303) 499-8089

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 3925 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ORIGINAL SOURCE:

ORGANISM: Saccharomyces cerevisiae

FEATURE:

NAME/KEY: CDS

LOCATION: 1340..3835

US-09-047-026A-3

Query Match 2.48; Score 44.8; DB 2; Length 3925;

Best Local Similarity 60.8%; Pred. No. 0.0071;

Matches 73; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

```
OY 306 AGAGCCCCGTGAGAGGTGACCCAGAGATGACAGAGCCTTGATGATGATGAGCTGC 365
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3595 AAAGCCCAAGAGATGAAAGCAAGCAAGAACTTACCTTGATGATGATGATGATGA 3654
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 366 TGAAGTACCTTGAATATATATGATGAGAAAGTGAAGAGCCAGATGCTGAGCTTGTGTA 425
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3655 TGAGCAATATTCAGAAAGAAATGATGAGAGAGAGACACATATGAAAGAACAGATGTA 3714
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

RESULT 4

Query Match	2.3%	Score 42.2	DB 4	Length 1558
Best Local Similarity	63.1%	Pred. No. 0.028		
Matches 65; Conservative	0	Mismatches 38	Indels 0	Gaps 0

RESULT 5
US-08-375-300-3
; Sequence 3, Application US/08375300
; Patent No. 5679566

APPLICANT: Feng, He
 APPLICANT: Jacobson, Allan S.
 TITLE OF INVENTION: HETEROLOGOUS POLYPEPTIDE PRODUCTION IN
 TITLE OF INVENTION: THE ABSENCE OF NONSENSE-MEDiated mRNA DECAY FUNCTION
 NUMBER OF SQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson
 STREET: 225 Franklin Street Suite 3100
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/375,300
 FILING DATE: 20-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Fasse, J. P.
 REGISTRATION NUMBER: 32,983
 REFERENCE/DOCKET NUMBER: 04020/046001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)542-5070
 TELEFAX: (617)542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2295 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA

Query Match	2.3%	Score 42.2	DB 1	length 2295
Best Local Similarity	49.8%	Pred. No.	0.03	
Matches 107	Conservative	0	Mismatches 108	Indels 0
				Gaps 0

RESULT 6
US-09-177-431-3

; Sequence 3, Application US/09177431

```

: GENERAL INFORMATION:
: APPLICANT: He, Feng
: APPLICANT: Jacobson, Allan S.
: TITLE OF INVENTION: HETEROLOGOUS POLYPEPTIDE PRODUCTION IN THE
: TITLE OF INVENTION: ABSENCE OF NONSENSE-MEDIATED mRNA DECAY FUNCTION
: NUMBER OF SEQUENCES: 18
: CORRESPONDENCE ADDRESS:

```

ADDRESS: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FASBASE for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/177.431

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/955,472
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Fasse, J. Peter
 REGISTRATION NUMBER: 32,983
 REFERENCE/DOCKET NUMBER: 07917/0500001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-9806
 TELE: 200154
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2295 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 OS-09-177-431-3

Query Match	2.3%	Score 42.2	DB 3	Length 2295
Best Local Similarity	49.8%	Pred. No. 0.03		
Matches 107	Conservative 0	Mismatches 108	Indels 0	Gaps 0
212	AATTGCAGAGAAAGGTGGTCACATGATGAGAGAGACACAGCTCCTTCAGAGATG 271			


```

TITLE OF INVENTION: FUNCTION.
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street Suite 3100
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/16930
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375,300
FILING DATE: 20-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Pase, J. Peter
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 04020/046W01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)542-5070
TELEFAX: (617)542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4080 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
PCT-US95-16930-1

Query Match          2.3%; Score 42.2; DB 5; Length 4080;
Best Local Similarity 49.8%; Pred. No. 0.041;
Matches 107; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

QY   212 AATTGCAGAAGAAAGTGTGGTCACATGATGAAGAGAGAACACAGCGACTCCCTTCAGAAAGTG 271
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   3044 ATTACTCTGAGGAAGATGAATAAAGCGGAGATTAATGACACCAGAACACAGAGTCAGGCCAG 3103

QY   272 GCATGCACAAGTAGCGCACGCCAGCGACGCCCAAGAGAGCCCTCGSAGAGTGGTGACCCAG 331
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   3104 GAANAATCATCAGGCAAAGACAAGACGAAAGTGAAGATGAAGAGATGAGGACGATGACGAGG 3163

QY   332 AGCATGACAGACGCGTTGATGATGATGAGCGTGGCTGCACTAGCAGCTTAATTAATATGATG 391
      ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   3164 ATGATGACGATGACGATGACGATGACGATGATGATGATGATGATGATGATGATGATGATGATG 3223

QY   392 AGGAAGTGTACCACAGATGCTGAGACTCTTGGTGAA 426
      | |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   3224 ATGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3258

RESULT 11
US-08-998-416-1050
Sequence 1050, Application US/08998416
Patent No. 6239264
GENERAL INFORMATION:
APPLICANT: Philippsen, Peter
APPLICANT: Pohmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: knechtle, Philipp
APPLICANT: Redischung, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPIT
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 1152
```

CORRESPONDENCE ADDRESS:
ADDRESSEE: NO. 6239264rtis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Mel99, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1050:
SEQUENCE CHARACTERISTICS:
LENGTH: 696 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1640UP
US-08-998-416-1050

Query Match 2.3%; Score 41.8; DB 4; Length 696;
Best Local Similarity 57.6%; Pred. No. 0.022;
Matches 95; Conservative 0; Mismatches 67; Indels 3; Gaps 1;

QY 604 GAGAGCTTTTATGTATGACACGATATCTCTCTGATCTCTCTGAGTGTGGAA 663
DB 452 GAGCGCTGTGTGACGACACGACCTGATGTTGCCGCAATCCGCTGTGTGGAG 511
QY 664 TGGCTGATTTTGTGCTTACCCAGAG---TGATTTCTACTGGAATTTACATTTGCTGTAGA 720
DB 512 TGGGTGAACACGCGCGCGGGGTGCACTGTGACCGCGCGCAAACTTTGGCGCGCTGCC 571
QY 721 AACATGACCCCTGTTATTTGAGGTGTGGACCTTGATATAGTGTGAC 765
DB 572 ACCTTGACCCCAACATGAGCTGTGAACTGTGACTGTGTGAC 616

RESULT 12
US-08-728-323a-1
Sequence 1, Application US/08728323a
Patent No. 5948676
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
TITLE OF INVENTION: Immediate Early Protein From Kaposi's
TITLE OF INVENTION: Sarcoma-Associated Herpesvirus DNA
TITLE OF INVENTION: Encoding Same And Uses Thereof
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York

COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,323a
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/52268/JPM/NSC/SKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3489 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..3489
US-08-728-323a-1

Query Match 2.3%; Score 41.8; DB 2; Length 3489;
Best Local Similarity 47.8%; Pred. No. 0.049;
Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

QY 173 AAGAGAGTAAAGCCCTATTCCTGAGCAGCAAGGAAATTCAGAGAAAGCTGCT 232
DB 989 ATGATGAGAGAGACGACGACAGATGAGAGAGAGAGATGAGAGAGAGATGACG 1048
QY 233 GCACTGATGAGAGAGAGACGACGAGTCTTCAGAGATGAGATGAGAGAGAGAG 292
DB 1049 AGAGAGATGAGAGAGAGAGATGAGAGAGAGATGAGAGAGAGATGAGAGAGAG 1108
QY 293 AGCAGCAGCCAGAGAGAGAGAGAGAGATGAGAGAGAGAGAGAGAGAGAGAG 352
DB 1109 AGGAGATGAGAGAGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1168
QY 353 ATGATGAGAGAGAGAGAGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 412
DB 1169 AGGAG 1228
QY 413 AGACTTTTGTGA 425
DB 1229 ACAATGAGAGCA 1241

RESULT 13
US-09-298-568-1
Sequence 1, Application US/09298568
Patent No. 6322792
GENERAL INFORMATION:
APPLICANT: Kieff, Elliott D.
APPLICANT: Balleslas, Mary E.
APPLICANT: Kaye, Kenneth M.
TITLE OF INVENTION: RHADINO VIRUS LANA ACTS IN TRANS ON A UNIT OF RHADINO
TITLE OF INVENTION: VIRUS DNA TO MEDIATE EFFICIENT EPISOME PERSISTENCE
FILE REFERENCE: 16412-10001R
CURRENT APPLICATION NUMBER: US/09/298,568
CURRENT FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/709,422
EARLIER FILING DATE: 1998-11-19
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1

LENGTH: 3489
TYPE: DNA
ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-298-568-1

Query Match 2.3%, Score 41.8; DB 4; Length 3489;
Best Local Similarity 47.8%; Pred. No. 0.049;
Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

173 AAGAAGAGTAAACGCTCATTTGCTGAGCAAGAGAAATTGCAAGAGAGTGTG 232
173 AAGAAGAGTAAACGCTCATTTGCTGAGCAAGAGAAATTGCAAGAGAGTGTG 232
Db 989 ATGATGAG 1048
233 GCAGTGAATGAAG 292
Db 1049 AGGAGAGTACAG 1108
293 AGGACGCGCCCAAG 352
Db 1109 AGGAGAGTACAG 1168
353 ATGATGAGAGTGTGCTGAGTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 412
Db 1169 AGGAG 1228
413 AGACTCTTGTGA 425
Db 1229 ACAATGAGAGACA 1241

RESULT 14
US-08-770-379-20/c
Sequence 20, Application US/08770379
Patent No. 5849564

GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED
TITLE OF INVENTION: HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESS: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,379
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52342
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 32207 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-08-770-379-20

Query Match 2.3%, Score 41.8; DB 2; Length 32207;
Best Local Similarity 47.8%; Pred. No. 0.15;
Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

173 AAGAAGAGTAAACGCTCATTTGCTGAGCAAGAGAAATTGCAAGAGAGTGTG 232
Db 21008 ATGATGAG 20949
233 GCAGTGAATGAAG 292
Db 20948 AGGAGAGTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 20889
293 AGGACGCGCCCAAG 352
Db 20888 AGGAGAGTACAG 20829
353 ATGATGAGAGTGTGCTGAGTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 412
Db 20828 AGGAG 20769
413 AGACTCTTGTGA 425
Db 20768 ACAATGAGAGACA 20756

RESULT 15
US-08-757-669A-20/c
Sequence 20, Application US/08757669A
Patent No. 6183751

GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS
TITLE OF INVENTION: SEQUENCES AND USES THEREOF
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESS: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,669A
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 45185-F
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 32207 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-757-669A-20
Query Match 2.3%, Score 41.8; DB 4; Length 32207;

Best Local Similarity 47.88; Pred. No. 0.15; Matches 121; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

```
OY 173 AAGAGAGTAAACGGCCTCATTTGCTGAGGCAAGGAGAAATTCAGAGAGAGTGCTG 232
    |||||
Db 21008 ATGATGAGGAGAGCAGAGACAGATGAGAGAGAGAGATGACGAGAGATGACG 20949
    |||||
OY 233 GCAGTATGAAGAGAGAGACAGGCAATCCTTCAGAAATGATGATGATGATGATG 292
    |||||
Db 20948 AGGAGATGACGAGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACG 20889
    |||||
OY 293 AGGACGCGCCCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 352
    |||||
Db 20888 AGGAGATGACGAGAGAGAGATGACGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 20829
    |||||
OY 353 ATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 412
    |||||
Db 20828 AGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 20769
    |||||
OY 413 AGACTCTTGTGA 425
    |||||
Db 20768 ACAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 20756
    |||||
```

Search completed: May 22, 2003, 22:44:59
Job time : 230 secs


```

Db 220 AATTCATCTATTAGTGGCCCTTTGGCAGCAGAGCTCAGATACACCATGAGCTTAA 279
      |||
Qy 1594 TGAAGATCATTAATTTCCCTCTACCTTACCTTACCTGGAATTTAAAGTGGCCATAAAA 1653
      |||
Db 280 TGAAGATCATTAATTTCCCTCTACCTTACCTGGAATTTAAAGTGGCCATAAAA 339
      |||
Qy 1654 TGTTCATGCTGCGCAGACACATGAGAGTACTGAAACAACTATTTCTGACTGAC 1713
      |||
Db 340 TGTTCATGCTGCGCAGACACATGAGAGTACTGAAACAACTATTTCTGACTGAC 399
      |||
Qy 1714 ATTCCTTTCTGCAACTGCGGTGCGACACCAATATCCGGTCTTGTGCTCTTCA 1773
      |||
Db 400 ATTCCTTTCTGCAACTGCGGTGCGACACCAATATCCGGTCTTGTGCTCTTCA 459
      |||
Qy 1774 TGGATGTTGTGTAAGGCTCTGTGCAATTTCTTAAAAAGATTAATA 1822
      |||
Db 460 TGGATGTTGTGTAAGGCTCTGTGCAATTTCTTAAAAAGATTAATA 508
      |||

```

RESULT 2

```

US-09-880-107-2725/c
: Sequence 2725, Application US/09880107
: Patent No. US20020142981A1
: GENERAL INFORMATION:
: APPLICANT: Horne, Darci T.
: APPLICANT: Vockley, Joseph G.
: APPLICANT: Scherf, Uwe
: APPLICANT: Gene Logic, Inc.
: TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
: FILE REFERENCE: 44921-5028-WO
: CURRENT APPLICATION NUMBER: US/09/880,107
: CURRENT FILING DATE: 2001-06-14
: PRIOR APPLICATION NUMBER: US 60/211,379
: PRIOR FILING DATE: 2000-06-14
: PRIOR APPLICATION NUMBER: US 60/237,054
: PRIOR FILING DATE: 2000-10-02
: NUMBER OF SEQ ID NOS: 3950
: SOFTWARE: Patent Ver. 2.1
: SEQ ID NO 2725
: LENGTH: 150
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: Genbank Accession No. US20020142981A1 N92948
US-09-880-107-2725

```

Query Match

```

      8.1%; Score 150; DB 10; Length 150;
Best Local Similarity 100.0%; Pred. No. 9.2e-35;
Matches 150; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 660 GGAATGCTGAATTTGATCCTAGCCAGATGATTTCTACTGGAATTAATGCTGTAGG 719
      |||
Db 150 GGATGCTGAATTTGATCCTAGCCAGATGATTTCTACTGGAATTAATGCTGTAGG 91
      |||
Qy 720 AAACATGACCCCTGTATTGAGTGTGGACCTTGATATAGTGCCTTTAGGCCACT 779
      |||
Db 90 AAACATGACCCCTGTATTGAGTGTGGACCTTGATATAGTGCCTTTAGGCCACT 31
      |||
Qy 780 CTTACACGCGAAGTAACCTTCAAAAA 809
      |||
Db 30 CTTACACGCGAAGTAACCTTCAAAAA 1
      |||

```

RESULT 3

```

US-09-938-842A-2540
: Sequence 2540, Application US/09938842A
: Patent No. US20020160378A1
: GENERAL INFORMATION:
: APPLICANT: Harper, Jeff
: APPLICANT: Kreps, Joel
: APPLICANT: Wang, Xun
: APPLICANT: Zhu, Tong

```

```

: TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
: FILE REFERENCE: SAME, AND METHODS OF USE
: CURRENT APPLICATION NUMBER: US/09/938,842A
: CURRENT FILING DATE: 2001-08-24
: PRIOR APPLICATION NUMBER: US 60/227,866
: PRIOR FILING DATE: 2000-08-24
: PRIOR APPLICATION NUMBER: US 60/264,647
: PRIOR FILING DATE: 2001-01-16
: PRIOR APPLICATION NUMBER: US 60/300,111
: PRIOR FILING DATE: 2001-06-22
: NUMBER OF SEQ ID NOS: 5379
: SEQ ID NO 2540
: LENGTH: 2895
: TYPE: DNA
: ORGANISM: Arabidopsis thaliana
US-09-938-842A-2540

```

Query Match

```

      2.9%; Score 53.2; DB 9; Length 2895;
Best Local Similarity 48.4%; Pred. No. 8.9e-05;
Matches 182; Conservative 0; Mismatches 188; Indels 6; Gaps 1;

```

```

Qy 460 GATCAAGATCCTTACGTTACTCTGAAGATACAGAACATATGAGTGAAGATTCTTG 519
      |||
Db 1738 GATCAATATCTGAAGAATGTTGATGATGAAGATGAGAGGATATGATGACAGACA 1797
      |||
Qy 520 ATTAGCCCAAGTAAATCTTATGATTTGTGGCCGAGCTGACAGACCAAGTCAATTTA 579
      |||
Db 1798 GTCAAGCCGACCGATGCGGATGATTTGTGCTGAGTAAGATGATGATGACATCTA 1857
      |||
Qy 580 GAGTGCATGTTTATATCAAGAAGACTCTT-----TTATGTCACATGATATA 633
      |||
Db 1858 GAGTGTATTTATATCGAGGATCTGCTGCCCTCCCAACATGATGTTGATCATCACATA 1917
      |||
Qy 634 CTCTGTCTGCAATTCCTCGAGTGTGAGTGAATGCTGAATTTGATCCTAGCCAGATGAT 693
      |||
Db 1918 ATTATACAGATTCCTATGTGTACTGATGATGCTTATTTCTCTTAAAGAGGGGAA 1977
      |||
Qy 694 TCTACTGGAATTCATGCTGTAGGAACATGACCCCTGTATTTGAAGTGTGGACCTT 753
      |||
Db 1978 AAAGGAATTTTGTAGCTATTTGTTCAAGATATACCCGAAATCGAATATGAGATCTT 2037
      |||
Qy 754 GATATAGTGAATCTTTAGACCCAGCTTTCACACTCGGAAGTAACTTTCAAAAAAG 813
      |||
Db 2038 GACCTTGGGACGAGGTCTACCTTGTATACACTAGAGGAATGAGAGATGATAGTG 2097
      |||
Qy 814 AAAAAGAAAGAAAGA 829
      |||
Db 2098 AGTAAGAAAAAGAGA 2113
      |||

```

RESULT 4

```

US-09-864-761-19608/c
: Sequence 19608, Application US/09864761
: Patent No. US20020048763A1
: GENERAL INFORMATION:
: APPLICANT: Penn, Sharon G.
: APPLICANT: Rank, David R.
: APPLICANT: Hanzel, David K.
: APPLICANT: Chen, Wensheng
: TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
: FILE REFERENCE: Aeomica-X-1
: CURRENT APPLICATION NUMBER: US/09/864,761
: CURRENT FILING DATE: 2001-05-23
: PRIOR APPLICATION NUMBER: US 60/180,312
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: US 60/207,456
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: US 09/632,366
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: GB 24263.6
: PRIOR FILING DATE: 2000-10-04

```

	Query Match	2.88;	Score 52.8;	DB 10;	Length 766;
	Best Local Similarity	48.18;	Prod. No. 4.5e-05;		
	Matches 150;	Conservative	0;	Mismatches 162;	Indels 0;
				Gaps	0;
QY	320	ATGGTGACCCGAGAGATACAGACGCTTGTATGATGATGAGCTGCGCTGAGTACGACTT	AG	379	
Db	325	ATGGTGACAAATGTAATATATGTTATGAGGAGAGATATGCGATATGTTGATGAAGATG		266	
QY	380	ATAAATATGATGAGAGAACGTGACCCAGATGCTGAGACACTCTTGGTAAATCTCTTGGGTC	439		
Db	265	ATGATGTTGGCGATGAAGATGACGATGATGAAGAAGAGAGGTTGGTATGGTATGATGGTG	206		
QY	440	TTAGGCTCTACGGGAGTAAATGATCAAGTTCCTTACGTTACTCTGAAAGATACAGAACAT	499		
Db	205	TTAATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	146		
QY	500	ATGAACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	559		
Db	145	ATGAAGAGAGAGTGGCGCATGCTGATGATGATGATGATGATGATGATGATGATGATGATG	86		
QY	560	AACAGACCACTGCAATTTAGAGTGCATGTTATATCAAGAACAGCACTCTTTTATG	619		
Db	85	ATGATTAACGAGGAAGAGAGATGTTGATGATGATGATGATGATGATGATGATGATGATG	26		
QY	620	TACACCATGATA	631		
Db	25	ATGGTGAATGATA	14		

Query Match	2.8%	Score 52.8;	DB 10;	Length 1944;
Best Local Similarity	48.1%;	Pred. No. 8.8e-05;		
Matches .150; Conservative	0;	Mismatches 162;	Indels	0;
Gaps	0;			
ATGCTGACCCAGAGAGTACAGACGGCTTGATGATGATGATGACTGCCTGACGTACCGACTTAG	379			

```

Db 562 ATGCTGCAATGTAATGATGCTGATGAGGAGGAGGCGGATGCTGATGAAGATG 503
QY 380 ATAAATATGATGAGGAAGTACCAGATGCTGAGACTCTTGTAATCTCTTGGGTC 439
Db 502 ATGATGTTGGCGATGMAATATACATGATGTAAGAGAGAGGTGGTGTATGATGCTG 443
QY 440 TTACGGCTTCACGGAGTAATGATCAAGATCCTTACCTTACTCTGAAGATCAGAACAT 499
Db 442 TTAATGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 383
QY 500 ATGACCGTAAGATTTCTGATTTAAGCCAGTATGATGATGATGATGATGATGATGATG 559
Db 382 ATGAGAGAGAGAGGTGGCGAGTGTATGATGATGATGATGATGATGATGATGATGATG 323
QY 560 AACAGACCAATGCAATTTAGAGGTGCTTTTAAATCAGAGAAAGACTCTTTTATG 619
Db 322 ATGTAACGAGAGAGAGATGCTGATGATGATGATGATGATGATGATGATGATGATG 263
QY 620 TACACCATGATA 631
Db 262 ATGCTGATGATA 251

```

RESULT 6
US-09-864-761-4012

; Sequence 4012, Application US/09864761
; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: Aecmca-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263,6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

```

; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4012
; LENGTH: 1959
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL022334.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.3
US-09-864-761-4012

```

Query Match 2.64; Score 49; DB 10; Length 1959;
Best Local Similarity 45.64; Pred. No. 0.0012;
Matches 172; Conservative 0; Mismatches 205; Indels 0; Gaps 0;

```

QY 317 AGATGGTGACCCAGAGATGACAGACGCTTGATGATGATGATGATGATGATGATGATG 376
Db 388 ATGATGGTGCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 447
QY 377 TAGTAAATATGATGAGGAAGTGACCCAGATGCTGAGACTCTTGTAATCTCTTGG 436
Db 448 ATAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 507
QY 437 GCTTACGGCTCAGCGAGTAAATGATCAAGATCCTTACCTTACCTTACCTTACCTTAC 496
Db 508 GTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 567
QY 497 AATATGACGTGAAGATTTCTGATTAAGCCAGTGAATCTTAAATGATTTGGCCGAG 556
Db 568 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 627
QY 557 CTGACAGGACCAATGATTTAGAGTGCATGTTTAAATCAGAGAAAGACTCTTTT 616
Db 628 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 687
QY 617 ATGTACACCATGATATCTTGTGTCATATATCTGAGCTGGAATGCGTGAATTTTG 676
Db 688 GTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 747
QY 677 ATCCTAGCCCATGATGAT 693
Db 748 ATGATGATGATGATGAT 764

```

RESULT 7

US-09-864-761-20772

; Sequence 20772, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: Aecmca-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

[illegible]

	Query Match	2.5%;	Score 47;	DB 9;	Length 1626;	
	Best Local Similarity	51.7%;	Pred. No.	0.0043;		
	Matches 104; Conservative	1;	Mismatches	96;	Indels	0; Gaps
OY	208	GAGAAATTGCAAGAANGTGTGGCAGTGATGAAGAGACAGCGACTTCACAAA	267			
Dd	372	GAATATATATAAAGAAGCATCTGATGCCTGAATATATTAAGTTGGACGTAAAAAGAAA	431			
OY	268	GATGGCATGCAGAGTGCACGCCAGCCAGCCCCAACAGAGAGCCCCTGAGAGATGGTGAC	327			
Dd	432	AATAATCACAGAGGAAACACAGTTGTGTCCTGCATCATATATTAAGGAAGTTGAAGATPAAAGAA	491			
OY	328	CCAAGAGGATGACAGAGACCCTTGATGATGATGATGATGACTGGCTGACTGACCTTAGATTAATAT	387			
Dd	492	TCAAAGGGAGAAGAAGAGAGATGAGAGATGMAAGATCTTCTTAATATTAAGTYAGATGAGAT	551			
OY	388	GATGAGGAGGTGACCCAGAT	408			
Dd	552	GAGGATGAAGATGAACGCTGAT	572			
	RESULT 9					
	US-10-103-313-271					
	; Sequence 271, Application US/10103313					
	; Publication No. US20030082758A1					
	: GENERAL INFORMATION:					
	: APPLICANT: Rosen et al.					
	: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies					
	: FILE REFERENCE: P0207CI					
	: CURRENT APPLICATION NUMBER: US/10/103_313					
	: CURRENT FILING DATE: 2002-03-12					
	: NUMBER OF SEQ ID NOS: 653					
	: Prior Application removed - See File Wrapper or Palm					
	: SOFTWARE: PatentIn Ver. 2.0					
	: SEQ ID NO 271					
	: LENGTH: 1626					
	: TYPE: DNA					
	: ORGANISM: Homo sapiens					
	: US-10-103-313-271					
	Query Match	2.5%;	Score 47;	DB 9;	Length 1626;	
	Best Local Similarity	51.7%;	Pred. No.	0.0043;		
	Matches 104; Conservative	1;	Mismatches	96;	Indels	0; Gaps
OY	208	GAGAAATTGCAAGAANGTGTGGCAGTGATGAAGAGACAGCGACTTCACAAA	267			
I I	I I	I I	I I	I I	I I	I I
I I	I I	I I	I I	I I	I I	I I


```
QY 510 AGATCTTCGATTAGCCAGTATATCTTATAGTTTGCGCCAGCTGAAACAGACCA 569
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 499 ADNGEPMRGHMYMGSRSMTGKCTFLHVPQDTERLVLTFRVDRLOKRVNTTKLPPN 558
QY 570 GTGCAATTTAGAGGTGCATGTTTATATCAAGAAAGACTCTTTTATGATCACCATGA 629
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 559 KGSAAVEHEIKMLRKEPTLLEAMETNIIPLGEVGEDPMALIEIPRSFYRQNGEPIYG 618
QY 630 TATACCTTGTCGCTATCCCTGTGAGTGTGATGCGTGAATTTGATTCCTGACCAGA 669
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 619 KVKASVTFPLDPNISTATAOQDLDNFINDEGDFPLRTYGMFVDRDEVTSEPLNAGKV 678
QY 690 TGATTCAGTGAATTAATCATCTGCTAGGAACCAATGACCCCGTATGTAAGTGGGA 749
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 679 KHLBDSTQVKMPEHISTVILKMSLNPTGLMEEGDRKFNQRNKKEDRTFLVGNLEIRE 738
QY 750 CCTGTATATAGTGAGCTCTTATAGCCAGCTTACACCTCGAAGTAATCTTCAAAAA 809
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 739 RLLENLDVDESRCFVKVAYRSEFLPSEQIGVIVSYINLEPRTGLSNPRAMGRFDS 798
QY 810 GAAGAAAAAGAAAGAAAGAGTCTTCAGACAGAAAGGACATACCGATGCTCTTGA 869
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 799 VTTPNGACVPAFCDDQSPDAYSAYVLASLAGEBLOAVESSPFENPNAIGVPPQYLKLN 858
QY 870 CCTTCATGGAATTAATCACTATATGATGTTTATGCAAGTGCATGACCTGACAACACTGT 929
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 859 YRTDIEDRVRKTAFOISMARPRNSAESNPITAFENLRACEAPPSAAHFRYQTE 918
QY 930 AATCTGTGGATATGCTCTTGGGAAACAGCAGTACCTGCTGATACAGACAGAA 969
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 919 GDRYDNTVPFNEDDPMSTEDYLAMPKPMERPRACYIKVKIVGLEVVNRSNMGGTHR 978
QY 990 G 990
DB 979 R 979
```

RESULT 13

```
US-09-152-3/C
; Sequence 3, Application US/09901152
; Publication No. US20030022824A1
; GENERAL INFORMATION:
; APPLICANT: HU, Song et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001248
; CURRENT APPLICATION NUMBER: US/09/901,152
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 58985
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(58985)
; OTHER INFORMATION: n = A,T,C or G
US-09-901-152-3
```

```
Query Match 2.5%; Score 46.2; DB 9; Length 58985;
Best local similarity 50.7%; Pred. No. 0.097;
Matches 111; Conservative 0; Mismatches 108; Indels 0; Gaps 0;
```

```
QY 319 GATGTGACCCAGAGATGACAGACGCTTGATGATGAGAGTGCCTGAGTACGACTTA 378
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 11221 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 11162
QY 379 GATTAATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 438
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 11161 GGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 11102
```

```
QY 439 CTTACGGTCTACGGAGATATGATCAAGATCTTACGTTACTCTGAAAGATACAGAA 498
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 11101 GATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 11042
QY 499 TATGAACGTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 537
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 11041 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 11003
```

RESULT 14

```
US-09-864-761-20174/C
; Sequence 20174, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Hank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FC
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeonica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 20174
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL035419.9
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
```

```

: OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6
: OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
: OTHER INFORMATION: EXPRESSED IN BT4/4, SIGNAL = 1.5
: OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
US-09-864-761-20174

```

Query Match	2.4%	Score 44.6	DB 10	Length 439
Best Local Similarity	48.6%	Pred. No. 0.0088		
Matches 122	Conservative	0	Mismatches 129	Indels 0
				Gaps 0

[illegible]

RESULT 15
US-09-917-800A-1567

```

; Sequence 1567, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:

```

APPLICANT: Mendrick, Donna
APPLICANT: Porter, Mark

APPLICANT: Johnson, Rory
; Castle, Arthur
APPLICANT: ;

```
; APPLICANT: Elashoff, Michael  
; APPLICANT: Gene Logic, Inc.  
ATTN: GEORGE TOWNSEND, JR.
```

FILE OF INVENTION: MOLECULAR TOXICOLOGY MODELING
FILE REFERENCE: 44921-5038-US
CURRENT APPLICATION NUMBER: US/08/017 8002

: CURRENT FILING DATE: 2001-07-31
 : PRIOR APPLICATION NUMBER: US 60/232,040

PRIOR APPLICATION NUMBER: US 60/222,880
PRIOR FILING DATE: 2000-07-31

; PRIOR FILING DATE: 2000-11-02
 ; PRIOR APPLICATION NUMBER: US 60/290,029

; PRIORITY DATE: 2001-05-11
; PRIORITY NUMBER: US 60/290,645

; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336

```

; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798 .

```

;; PRIOR FILING DATE: 2001-06-06
;; PRIOR APPLICATION NUMBER: US 60/297,457

; PRIOR FILING DATE: 2001-06-13
 ; PRIOR APPLICATION NUMBER: US 60/298,884
 PRIOR FILING DATE: 2001-06-10

; PRIOR FILING DATE: 2001-06-19
 ; PRIOR APPLICATION NUMBER: US 60/303,459
 ; PRIOR FILING DATE: 2001-07-00

```

; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver 3.1

```

```

/ SOFTWARE, FALCONCIN VER. 2.1
; SEQ ID NO 1567
: LENGTH: 2142

```

```

1  ZENONIN: 2212
2  ;
3  TYPE: DNA
4  ;
5  ORGANISM: Rattus norvegicus
6  ;

```

OTHER INFORMATION: Genbank Accession No.

US-09-917-800A-1567

Query Match	2.48;	Score 44.2;	DB 10;	Length 2142;
Best Local Similarity	47.9%;	Pred. No. 0.036;		
Matches 127;	Conservative	0;	Mismatches 138;	Indels 0;
				Gaps 0;

b
551 CTCCTGCGCTCAGAGGATGAGCATGATGATGATGAAGATGATGATGATG 610

208 y	149	CACCAACACAAAGTAGAGCTGAGTAAAGAAAGTAAAGCCCTATTGCTGAGGCAAGG	208 y
209	551	CTCCTGCTCCACAGAGATAGAGATGAGAAAGATGATGATGAAGATGATGATGATG	610 b
209 y	209	ACAAATTGCAGAGAGAGTGTGTCAGTGTGAAGAGGACAGGCAATCTTCAGAG	268 y
210 b	611	ATGAAAGAGAGAGAGAGGAAAGATGTACTCTGGAGAAAGATATGAGATCACACCA	670 b
210 y	269	ATGGCATGAGAGTGCACGACCCAGGACGCGCCAAAGAGACCCCTGAGAGATGTGACC	328 y
211 b	671	AAGGAAAGAAACTCTCTGCMAAAGTTGTTCTCTGTGMAAGCCAAAGATGTGCGCAGAGG	730 b
211 y	329	CAGAGGATACAGAGACGCTTGATGATGATGAGCTGCTGACTAGCACTTAGTAATATAG	388 y
212 b	731	AGGAAAGTATGATGAGATGATGAAAGATGAAAGAGAGAGATGAAGTAAGAAGATGAAGG	790 b
212 y	389	ATGAGGAAGTGAACCCAGATGCTGA	413
213 b	791	ACGATGAAGATGAGATGAGAGAGA	815

Search completed: May 23, 2003, 01:00:24
Job time : 355 secs